

19970702.qrp qrp-por0.774
>From owner-qrp-l@Lehigh.EDU Tue Jul 1 18:03 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id SAA19500
> for <shimshon@uro.theporch.com>; Tue, 1 Jul 1997 18:03:55 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.6/SCO-5.0.2) with ESMTP id XAA18020
> for <shimshon@theporch.com>; Tue, 1 Jul 1997 23:03:45 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35030-34990>; Tue, 1 Jul 1997 19:03:08 -0400
>Date: Tue, 1 Jul 1997 19:03:04 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 774
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jul1.190308edt.35030-34990+112@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 774

Topics covered in this issue include:

- 1) [22222] Wyoming Valley QRP Commandos FD Score
by k7sz@juno.com (Richard H. Arland)
- 2) [22223] Re: FD, Rig Hogs and NQ7RP
by "Michael Connor" <mikec@primerenet.com>
- 3) [22224] Field Day? What Field Day? I don't even own a field? Day? Night?
Whatever . . .
by NilsBull@aol.com
- 4) [22225] Re: Ten-Tec 6 Meter Transceiver Kit
by "John Kemker" <kemkerj@xyzzy.net>
- 5) [22226] BARK FD '97: the Rough figures
by wb2vuo@juno.com (William K Hibbert)
- 6) [22227] FT - 2 Curtis 8044ABM chips
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 7) [22228] TOP GUN qrp fd station
by k8wi@juno.com (bill r isbister)
- 8) [22229] FD 1B-QRPp, W4ED
by "Bob Edwards, W4ED" <rbe@atlanta.com>
- 9) [22230] antenna formulae
by "j. b. fox" <w5hir@mail.phoenix.net>
- 10) [22231] Re: Kent Engineering info
by Bill Carver <bcarver@magicclink.com>
- 11) [22232] Re: Review of T-kits

- by wallace@world.std.com (Andy Wallace)
- 12) [22233] Re: QRP-L digest 773
by "Bob O'Connell" <reo@azstarnet.com>
 - 13) [22234] SST Tuning Mod revisited
by "David D. Meacham" <ddm@datatamers.com>
 - 14) [22235] TenTec list?
by "M. Monninger" <markem@primenet.com>
 - 15) [22236] FD, Mobile style
by Bob Follett <bfollett@ditell.com>
 - 16) [22237] Rainbow and EZ Match Tuner
by Bob Follett <bfollett@ditell.com>
 - 17) [22238] NorthWest QRP FD Report
by Bill Todd <bill@techline.com>
 - 18) [22239] Battery Charging/Care Info and Sites
by Brian Kassel <bkassel@dancris.com>
 - 19) [22240] July QRP Contests
by n4so@juno.com
 - 20) [22241] TNX & NE602 question
by sassoli@iilwh10.settimo.italtel.it
 - 21) [22242] Invitation
by Bill Todd <bill@techline.com>
 - 22) [22243] Re: TenTec list?
by wallace@world.std.com (Andy Wallace)
 - 23) [22244] SLV/W6MMA
by Arjen Raateland <Arjen.Raateland@vyh.fi>
 - 24) [22245] Re: Ten-Tec 6 Meter Transceiver Kit
by K4AHK@ix.netcom.com
 - 25) [22246] Send me those FD entries.
by camqrp@cyberg8t.com (Cam Hartford)
 - 26) [22247] Summer Homebrew Sprint
by camqrp@cyberg8t.com (Cam Hartford)
 - 27) [22248] Re: Review of T-kits
by Larry Trullinger <kb0emb@swbell.net>
 - 28) [22249] FS:WM20 SSB / MFJ-411 Tutor
by pmeier <pmeier@tir.com>
 - 29) [22250] K06KA FD 1B Battery
by Robert Everitt Heiss <rheiss@volta.ee.calpoly.edu>
 - 30) [22251] Re: Review of T-kits
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 31) [22252] Re: QRP-L digest 773
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 32) [22253] NF3I/5, Biloxi, MS 7-10 July
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
 - 33) [22254] Re: Invitation
by Jeff Grudin <grudin@pacific.vdbs.com>
 - 34) [22255] Field Day report - a question
by Krishna Kumar <kkumar@mail.imake.com>
 - 35) [22256] MI-QRP 4 July CW Sprint

by Buck Switzer <n8cqa@tir.com>
36) [22257] Re: Send me those FD entries.
by Bob Hightower <ki7mn@dancris.com>
37) [22258] MI-QRP July 4 CW Sprint
by Buck Switzer <n8cqa@tir.com>
38) [22259] W1FMR FD
by jfitton@lucent.com
39) [22260] /AA !! Thanks
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
40) [22261] Re: Invitation
by Bill Todd <bill@techline.com>
41) [22262] Re: Invitation
by Bill Todd <bill@techline.com>
42) [22263] 12V Computer Works AOK!
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
43) [22264] Argh, spam! (was Re: Invitation)
by "Dana H. Myers" <myers@bigboy.West.Sun.COM>
44) [22265] K5FO Code Course Online
by adams@chuck.dallas.sgi.com (Chuck Adams)
45) [22266] Century 21 Digital
by David Smith <qrp-dave@ocsnet.net>
46) [22267] Re: antenna formulae
by Jim W7LS <w7ls@brigadoon.com>
47) [22268] 38S - 74HC240/74HCT240
by Bill Carver <bcarver@magiclink.com>
48) [22269] Regarding tiny rigs
by "Mike Czuhajewski" <mczuhajewski@evi-inc.com>
49) [22270] WE6W FD Report (Short)
by Ed Loranger <we6w@qsl.net>
50) [22271] NE8020 output AM modulated
by Goran Hosinsky <rodriguez@jet.es>
51) [22272] Re: Invitation
by Norm Melick <henmel@worldnet.att.net>
52) [22273] FD, Firsts
by Dave Edson <edson@lisco.com>
53) [22274] QRP items for sale
by tim_hynde@idecc.com
54) [22275] FS: OHR 100 30m kit, A&A 30m kit & mostly built 20m, freq. counters
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
55) [22276] Norcal 40 mods
by rod@neors.cat.cc.md.us
56) [22277] QRP/battery packet
by Stephan Greene <sgreene@washsq.com>
57) [22278] TRW Hamfest
by Brian Short <SHORTCKT@primenet.com>
58) [22279] Re: FS:WM20 & / MFJ-411
by pmeier <pmeier@tir.com>
59) [22280] Comb Generator versus Marker Generator

- by David Shalita <af389@lafn.org>
- 60) [22281] N4BP FD 1A, Guano Reef Bashful Perverts
by Bob Patten <n4bp@shadow.net>
- 61) [22282] Re: Not responding to QRP stations
by george fremin iii <geoiiii@bga.com>
- 62) [22283] Re: Not responding to QRP stations
by george fremin iii <geoiiii@bga.com>
- 63) [22284] Need website address for Far Circuits
by "Kevin F. Glynn" <KFGlynn@prodigy.net>
- 64) [22285] Re: Field Day report - a question
by "Dave Yanke" <n9ssg@pobox.com>
- 65) [22286] Re: SLV/W6MMA
by K5BDZ@aol.com
- 66) [22287] postpone
by MH00PER@ccmail.dsccc.com
- 67) [22288] Looking for SD-20 - (SLV)
by Dana E Hager <dehager@ix.netcom.com>
- 68) [22289] Re: Not responding to QRP stations
by Bob Patten <n4bp@shadow.net>
- 69) [22290] New Product Announcement
by "Marshall Emm" <mgemm@mtechnologies.com>

Date: Mon, 30 Jun 1997 06:50:58 utc
From: k7sz@juno.com (Richard H. Arland)
To: qrp-l@Lehigh.EDU
Subject: [22222] Wyoming Valley QRP Commandos FD Score
Message-ID: <19970630.065109.7175.7.k7sz@juno.com>

Gang:

Just got back from the FD site (stayed an extra nite to recuperate and to compare the SLV/MMA against a 40 mtr dipole...more on this later) and it looks like we did OK.

Preliminary QSO count is in excess of 500. We didn't get a SATCOM station on the air....not enuff operators....and we "think" we have a packet QSO...gotta dig that one out of the Lan-link disk capture file.

In all we had 9 Commandos present for duty (5 defectors to the local MURGAS club in the 11th hour) and we had FUN! Dean, N2TNN came in from New Jersey and Paul, AA4XX, came up from North Carolina.

The Sierra was our mainstay for CW (the T-T Argo 509 on loan from K6URI had dial drive problems) and an FT-301S was our SSB station. An Icom IC-502 was used on 6 meters along with a 202 for 2 meter "linear mode". A brace of Icom 228s served on voice and packet.

I'll post our score as soon as I do the computer crunching and manual add-ons from paper logs (yes, we had computer problems.....N6GA was responsible for that!....Hey, I gotta blame somebody!)

73 rich K7SZ

Date: Mon, 30 Jun 1997 16:10:40 -0000
From: "Michael Connor" <mikec@primenet.com>
To: "Joe Gervais" <vole@primenet.com>
Cc: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [22223] Re: FD, Rig Hogs and NQ7RP
Message-ID: <199706302311.QAA24621@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Joe,
>Should've seen me and Mike (NQ7K)
>jockeying for the key during FYB0. "Hey Mike, quick! Claudia
>Schiffer just came over looking for some coax! Wanna help her?" :-)

We need to put 2 straight keys back to back; you be dits, I be dahs...:-)

Claudia's here?....Whats a FYB0.....

My first year as a ham, I joined some others for the CQ WW DX contest.
I had a T-shirt made up that read " DX B4 SEX"...
They laughed so hard I got to operate all I wanted to, and then some.....

Mike
NQ7K

Date: Mon, 30 Jun 1997 19:57:25 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [22224] Field Day? What Field Day? I don't even own a field? Day? Night?
Whatever . . .

Message-ID: <970630195701_356974795@emout18.mail.aol.com>

Amigos,

You already heard about Cub Scout/Webelos Camp, so I won't go through that again. Except that it was kinda like Field Day. People wondered what the hell I was doing with a telegraph key clamped on my leg. They wanted to know why I had wires coming out of my tent. It was kinda like that new book, the one that's coming out soon at stores near you. You know. The Butt-head Files but without the pharoah or whatever.

"Good lord, man, what's that on your leg?"

"Doesn't that hurt when you run?"

"Why don't you use this bug repellent?"

"I thought you had that removed when you got out of the Navy?"

So Field Day at the Grinnin' Turkey Ranch -- which, now that I think of it, might be something that I need to put on my home page -- was pretty routine.

I got up about 6:30 Saturday morning and talked a guy into comin' over today (Monday) to trim the dead wood out of the two big trees that are in my front yard. These are the ones that keep dropping big limbs on the road and have, so far, missed every car parked under 'em. So that was the morning. That and the mosquitos. (No, Dan, there's no e on the end of mosquitos. If there was an e, it would be like toes. Like "Ow july den toes?") Then Saturday noonish I went out and got (a) some paint & stuff and (b) a BB rifle like Andy had used at Scout Camp so we could shoot at hapless, unarmed pieces of paper. Then Saturday evening I cut up a bunch of the lumber that I'd bought on Friday and made a box to hold (a) the ARK30 & accoutrements, (b) the Rainbow Bridge Tuner project as yet to be finished, and (c) the charge controller that I ordered yesterday from Mike Bryce, whose paperwork I hadn't lost and (d) the solarpanel I got at Dayton 97.

Sunday morning I got up, turned on the ARK30 -- which was by then back in the house next to the Argosy, which I'd tuned to 10 meters just 'cause I was feeling foolish -- and listened around for a while. Dead band city big time hurry up you joe don juan no toes? Ow july den? There was some actividad on 10, so I listened for a while and determined that (a) everyone was from Texas, (b) it was Field Day and I was missin out, and (c) I couldn't find the microphone anyway. So Sunday laterish I got some sand paper and painted (again) the box for the ARK30 that I'd started on earlier. Then I came back in the house and listened to 10m some more and still couldn't find the microphone.

Some time Sunday afternoon, I had the J37 key surgically removed from my left thigh and sold the video of the procedure to the FOX NETWORK (as opposed to the Fox Hunt Network) to go along with the alien abduction by Chinese waiters from the Greek laundry down the street from the Irish Ladies Auxiliary of

Chanute Falls, SD who make those tamales that you can't find in the stores
'cause your mother told you about them when the lights come on gibber gibber
gibber gibber gibber gibber gibber gibber gibber gibber gibber gibber gibber
gibber gibber gibber gibber gibber gibber gibber gibber gibber

By Sunday evening, everything was calm. I burned some dead animal flesh on
the grill along with two unfortunate plantains (which are absolutely
delicioso done that way) that had fallen in the shopping cart while I was
staring at a young lady in a gossamer sun dress that seemed to have no back
at all, let alone shoulder straps. I went upstairs, deduced that FD was near
death and went back downstairs to watch 60 Minutes. I don't know what this
thing is that Andy Rooney has about Walter Cronkite.

Now I just have to cut out those stencils for the flower and lace pattern
that I want to put on the ARK30 traveling FD radio of death box. I got the
idea from the pattern that I noticed inching upward from the waist of the
dress worn by the young lady at whom I'd stared in the grocery stores.

Tantas chinas no habia cuando fui tan joven, che. Un milagro de la vida, la
memoria. O la conciencia. No se' lo cual es el mejor.

But I got a good tan.

Nils
WB8IJN &c

Date: Mon, 30 Jun 1997 20:18:44 -0500
From: "John Kemker" <kemkerj@xyzzzy.net>
To: qrp-1@Lehigh.EDU
Subject: [22225] Re: Ten-Tec 6 Meter Transceiver Kit
Message-ID: <199707010018.UAA00387@www.xyzzzy.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 30 Jun 97 at 12:07, Phil, K6LS scribbled:

> tmh@world.std.com wrote:

> You would be probably better served to get the MFJ SSB radio, I do
> believe the cost is simillar (or something simillar) and I have heard
> that the quality is OK too.
>
>

I must respectfully disagree with the gentleman: Spend the money on a used FT101 (Around \$300) and \$95 on the Ten-Tec 6M Transverter. Or go and buy a Scout or Argo for the IF rig. I have a Scout with the transverter and have a BLAST with it. Quality is excellent and I get lots of compliments on the audio.

Of course, the MFJ is lower in price, but I like the Ten-Tec stuff, myself.

=====
73 de KF4MZD (John Kemker)
kemkerj@xyzzzy.net
Grid Square: EM73vt
QRP-L Number: 974
TRA #2499, TARA #002

Date: Mon, 30 Jun 1997 20:46:32 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-l@Lehigh.EDU, n2tuk@frontiernet.net, cg091@freenet.buffalo.edu,
EVMAN@ix.netcom.com, bobkowa@netacc.net, billy@frontiernet.net,
djlw@dos.nortel.com,
wfkling@kodak.com, kg2f@frontiernet.net, wb8ygg@juno.com, rindiano@rpa.net,
duanekf2jc@aol.com, kf2xc@frontiernet.net, n2uio@frontiernet.net,
Subject: [22226] BARK FD '97: the Rough figures
Message-ID: <19970630.204506.4455.0.wb2vuo@juno.com>

BARK ran as K2BRK (N2TUK on N/T), running battery powered 5A class in WNY.

14 members present, 5 Transmitter on the air (PLUS Packet and VHF !!!),
Dipoles of various sorts were present on all bands and FUN, FUN, FUN !!!

The most fun I had was to pick up the elements for the TH-3 (stored in my barn) and hear them BUZZ_Z_Z_Z_Z_Z..... I put them down, beat a hasty retreat and observed that the buzzing came from White-Faced Hornets that had nested in the tubing. We ran a 1.5-wave Sloper for 15 instead...

Spare gear paid off again. The Ten Tec 509 was DOA Saturday, so the NEW (to me) Swan SS-15 was pressed into service on 15 and I switched 40 over to the IC-735. The HTX-100 for the Novice/Tech station was also flaky, but N2CK had another HTX-100, so we were able to get the Novice/Tech station on the air under N2TUK's call...

This is rough, from memory as the log sheets are over at KF2XC's being

entered

80 Mtrs - Argosy and crossed dipoled
CW - 25 Q's
SSB - 100 Q's

40 Mtrs - IC-735 and Dipole
CW - 40 Q's
SSB - 30 Q's

20 Mtrs - Argo 556 and inverted Vee
CW - 35 Q's
SSB - none

15 Mtrs - Swan SS-15 and 1.5-wave sloper
CW - none
SSB - 20 Q's

10 Mtrs - Scout and rotating dipole
CW - none
SSB - 15 Q's

10 Mtrs N/T - HTX-100 and dipole
SSB - 5 Q's

VHF - FT-690 on 6M/FT-530 on 2M (2-el yagi on 6 and J-Pole on 2)
SSB/FM - 10 Q's

Packet - FT-530/Toshiba laptop/Baycomm/J-Pole
40 Q's

A slew of bonus points, including a message to the SM for WNY section via packet (!!!)
about 1100 points for bonuses

Our final tally is going to be 3100 - 3300 points depending on actual QSO counts, which I don't have here with me. The Fun was right up there, and everyone had a blast. Not only that, but the stations went together without a hitch. It was almost as if everyone knew what they were doing! Not necessarily true, but a nice thought...

No floods, no T-storms, not many bugs, the food was plentiful.....

What else can I say? See you next year!

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)

"In the Depths of the Great Bergen (NY) Swamp...FN13ac"

Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com

SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Mon, 30 Jun 97 17:51:09 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [22227] FT - 2 Curtis 8044ABM chips
Message-ID: <9707010051.AA07441@wizard.ucs.sfu.ca>

Hi There,

Anyone need a couple of Curtis 8044ABM chips? Open to offers.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Mon, 30 Jun 1997 20:56:22 EDT
From: k8wi@juno.com (bill r isbister)
To: qrp-1@Lehigh.EDU
Subject: [22228] TOP GUN qrp fd station
Message-ID: <19970630.195557.5031.0.k8wi@juno.com>

Field Day Report from Team 20CW at USECA, Macomb County, Michigan.

As part of an 17alpha effort our goal was to become top gun of the USECA Field Day Event. We began our quest by utilizing a TS570D at 5w output into a 3 element 20m mono bander at 45ft. On hand we also had a delta loop up approx 30ft. (Having a young pajama clad geek on hand came in handy too), in the form or should we say person of Don/WX3M, CW wizard and dedicated op deluxe. The rest of our station consisted of Walt/WB8E, who studied cw all winter so he could operate for an hour and make his ten contacts; Bill/K8WI, who also studied over the winter months so he could wander off to 40 phone and operate; Dennis/KB8YYC, President and Grand Wazoo of USECA, aka/Mr. Terminal Tech, who probably didn't study much of anything and spent most of his time wondering when it would be time for a nap. Team effort is indeed a key element for the success of

any station. Dennis provided the key and Bill and Walt had the elements. Don knew how to operate. Seriously, a great team that worked diligently for the past year in putting together a winning station. Our qso count of 280, which was highest of all 17 stations reflects how well this team planned and then worked for duration of the contest.

We don't know if 280 is actually low or high but from sea level we feel this was an outstanding performance.

A word about 40phone, it's tough making qrp/ssb contacts. It's a fight for just about every one. We did manage to hold a frequency for a short while Sunday morning, but most was hunt and pounce. Total qso were 118 for 40ssb.

73/72

Bill/K8WI

Date: Mon, 30 Jun 1997 21:03:27 -0400
From: "Bob Edwards, W4ED" <rbe@atlanta.com>
To: qrp-1@Lehigh.EDU
Cc: "Ron Pace, AA4RP" <rpace@atlanta.com>
Subject: [22229] FD 1B-QRPp, W4ED
Message-ID: <33B8575F.2B5E@atlanta.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My first try at 950 MW Field Day. Q rate was lower than what I like, so may run 5000 MW next time. Operated daylight only.

Seemed that the less crowded bands 10/15/20 were much easier to work than 40. Very few strong stations listened for my weak signal, or, like suggested earlier, maybe they were half asleep.

Never got even a nibble on my CQs.

Logged on paper, with pencil, which was fast enough for my slow Q rate. In the shack, I use EXCEL & macros which is much faster.

Rigs were NN1G for 20/40 and mod FT-840 for 15/10.

Ant was TFR 20/40 mtr wire vertical tilted about 10 degrees. Had only a couple FL contacts and the rest were several states away,

including VE5, VE2, WA, MT, NM, TX, the mid-west and the north-east.
Believe this was due to the low take off angle of the vertical.

Powered by two solar panels and a marine battery.

10 mtrs - 2
15 mtrs - 28
20 mtrs - 37
40 mtrs - 7

74 HF CW QRPP contacts in FD 1997

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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    /\ | \
   /\ |  \
  /\ |   \
 /_ |/_ _ _ \_
[\-----/
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Date: Sun, 29 Jun 1997 20:16:01 -0500
From: "j. b. fox" <w5hir@mail.phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [22230] antenna formulae
Message-ID: <3.0.1.32.19970629201601.006970b8@mail.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've been around ham radio for about 60 years. I have put together many antennas, and used the formula $468/F_{\text{MHz}}$ to calculate the length of a 1/2 wave antenna. BUT!!! many of the articles I read in QST, CQ et al give dimensions all over the place. Example, a phased twinlead dual dipole array. The bands vs lengths of the dipole elements varies all considerably.

I back tracked the dimensions using the published length times the freq. in mhz and come out with everythingh from 448 to 469...

Perhaps this is due to location of the published arrays. It then gives me (and I assume the novice) the uncomfortable feeling that if one were to try and design his or her own antenna (even a simple dipole) that to start with a figure e.g. 468, one could conceivably come up very short in length..

Anyone have any ideas on this subject they would care to share???

Foxy w5hir@mail.phoenix.net

Date: Mon, 30 Jun 1997 21:12:32 -0400
From: Bill Carver <bcarver@magiclink.com>
To: ki7mn@dancris.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22231] Re: Kent Engineering info
Message-ID: <199707010112.VAA63101@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:52 PM 6/30/97 -0700, Bob Hightower wrote:

>At 11:48 AM 6/30/97 MST, you wrote:

>>

>>Several folks were having the same problem

>>I was having in finding the Kent contact information:

>>

>>R. A. Kent [Engineers]

>>P.O Box 809

>>Mount Ida, AR 71957-0809

>>(501) 867-4550

>>

>>

>>

>>=====

>>73 Michael N7MR <http://www.frii.com/~michael>

>>Michael.Robinson@nsc.com michael@frii.com

>>QRP-L #126 Norcal #857 CQC #180

>>=====

>>

>>

>Just tried to call them, and got a recording that he is in the hospital for

>surgery...expected to be back on 6/23. Since it's now past that, hope

>nothing's gone wrong. There apparently is no one to take messages at this time.

I talked to him on 6/23 and he DID answer the phone at that time.

I called back today, 6/30, and talked to his XYL then him. He's still under the weather I gathered, but is still working.

I have a Kent touch keyer (integral paddles, etc) from Dayton. It is Mode B.

He contacted Kent, was told Kent's son is the programmer and they have no mode A, and no intention of implementing anything else. Despite TiCK having BOTH modes, he says it can't possibly fit, which is preposterous.

I've stuffed a surface mount TiCK-2 into the base of my brass racer. Guess I'll forget a touch paddle setup since Kent has decided all they'll do is Mode B. I've contacted two people to see if they wanted it. Both said "Mode B? Forget it". Anyone want this thing?

Bill - W7AAZ

Date: Tue, 01 Jul 1997 01:16:02 GMT
From: wallace@world.std.com (Andy Wallace)
To: lynnc@ibm.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22232] Re: Review of T-kits
Message-ID: <33bb58b4.18620179@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Hello, "L.C. Chadbourne" <lynnc@ibm.net>!=20

Hi, L.C. and qrp-1'ers... I built the Ten-Tec 30m kit and so far am happy with it. I'll post a mini-review here and also on the TT list.=20

>-1- Is the 30 meter band active most of the 24-hour day or would I be >better sticking to 20 or 40?

=46rom what listening and CQing I've done, it seems like it may be open most of the day, but not everyone knows it. <grin> Dead-band syndrome! I suggest we call CQ and listen more often.=20

But most of my QSOs have been either before 9 AM or after 5 PM local.=20

>-2- Ten-Tec T-kits look interesting but I've not found any reviews or >operator's comments. How do they compare other low priced QRP kits >currently available?

My gut feeling is you get a lot for your \$95. I tried a friend's Norcal 40A and while I liked the quality of construction better, I feel that the TT kit is better in actual operation. I can't comment on OHR or the other kits out there.=20

The TT kit went together fairly easily (only five toroids to wind) HOWEVER I had two ETCH shorts to ground, both in the AGC section, on my board. I suggest to anyone building one that they inspect the PCB very carefully for shorts before installing any components. My kit was purchased before Christmas and I have heard there is a new rev board with plated-through holes (and a solder mask?).=20

I think the TT kit is worth the price, and is a good performer if you take the time to get the VFO toroid the way you want. Mine tunes 10.1 - 10.13 from 9 o'clock to 3 o'clock on the dial, which is fine bandspreading.=20

Best DX so far: BELARUS on my dinky 30' randomwire. Not bad for 3W outta New England.=20

I'd love to hear from other TT builders and as L.C. requested, I'd like to hear reviews as well. The QRP crowd has some wonderful kits out there.=20

--73,

Andy

wallace@world.std.com

"Well. Great! I'll be a single guy living at home with his parents. All I need now is to dust off the=20 old HAM RADIO, start collecting tropical fish -- I'll be the biggest loser in the world!"

--Drew Carey

Date: Mon, 30 Jun 1997 18:27:36 -0700 (MST)
From: "Bob O'Connell" <reo@azstarnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22233] Re: QRP-L digest 773
Message-ID: <Pine.GSO.3.95.970630182101.2222C-1000000@web.azstarnet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Are there any restrictions on send the digest to friends? I have several ham friends that do subscribe and I thought by sending to them and may publishing some of the article in the Clubs news letter I could spark a little more interest in QRP. It has help to want to upgrade. Still have not made it but still trying, work got in the way.

72's and Later,

Bob

```
-----  
/ Bob O'Connell / If hook, slice, and dribble /  
/email reo@azstarnet.com / are considered, yes I play golf./  
/-----/  
/Amateur Radio KC5DWB / LINUX /  
/Twisted pair (520) 292-0551 /The choice of the GNU generation /  
-----
```

Date: Mon, 30 Jun 1997 18:36:06 -0700 (PDT)
From: "David D. Meacham" <ddm@datatamers.com>
To: qrp-l@Lehigh.EDU
Subject: [22234] SST Tuning Mod revisited
Message-ID: <Pine.LNX.3.91.970630181807.20249C-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Since I posted the tuning mod on June 18, someone commented that 18k was a better resistor value. I just got around to trying it. It IS better, in fact, it is optimum, according to my measurements. Higher values don't do any good, while lower values give poorer linearity. At 18k, with dial full counter-clockwise I get 14.054, straight up I get 14.059, and full clockwise I get 14.063. So the first half of the dial covers 5kHz, while the second half covers 4kHz. Not too shabby!

In case you missed the first posting, the resistor goes across two of the terminals of the tuning pot (from the wiper to the 8V side). I use the MV-209 varactor, and a 5.6uH choke (Mouser # 43LS566) for RFC3. Enjoy!

72, Dave, W6EMD

Date: Mon, 30 Jun 1997 18:43:24
From: "M. Monninger" <markem@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [22235] TenTec list?
Message-ID: <3.0.1.32.19970630184324.00971760@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've seen references to a Ten Tec mailing list. Anyone know any details, like how to subscribe?

Thanks....

Mark AA7TA

Date: Mon, 30 Jun 1997 20:20:12 -0600
From: Bob Follett <bfollett@ditell.com>
To: qrp-1@Lehigh.EDU
Subject: [22236] FD, Mobile style
Message-ID: <33B8695C.74CF@ditell.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

My belated FD report. I had to travel to Colorado Saturday for my upcoming daughter's wedding. In an effort to salvage something for FD, I threw the 20M hamstick on the car, my MFJ tuner, and FT747.

Since I had to drive one end of Wyoming to the other, I let my XYL drive at noon, local, and started operating 1-C WY on SSB. With a poorly tuned antenna (res. for cw), I got about 40W out. In three hours, I worked 47 stations, including both Dakotas, NH and RI before crossing the boarder to Colorado. The ANC-4 did a great job in knocking the car noise down, and I was pretty much limited by the "ears" at the other end.

I guess I should submit my log, even though of short duration, since there couldn't be too many mobiles operating in WY....

Sunday, I threw a 1/2W with counterpoise up on daughter's roof, hooked up my EZ Match with Rainbow swr bridge, my 20M SST and made 11 contacts in a couple hours just to help some of the other stations out. Unfortunately, I got on just before noon, local, and at noon, the number of stations dropped by about 90% as their 24 hours were up. SST worked great, and my cw copying was ok once I got back into the swing of it.

73, Bob

AB7ST in the heat of Ft Collins, CO through Sunday.

Date: Mon, 30 Jun 1997 20:31:29 -0600
From: Bob Follett <bfollett@ditell.com>
To: qrp-1@Lehigh.EDU
Subject: [22237] Rainbow and EZ Match Tuner
Message-ID: <33B86C01.14CB@ditell.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

If anyone's interested, I finally married the Rainbow bridge/swr indicator with the EZ-Match Tuner from Roy.

First, I cut the tuner part of the Rainbow PCB off. Then I built the rest without the connector spikes, and attached the battery holder with about 6" of wire, rather than mounting on the board.

The LED's were superglued into the EZ Match, and ribbon cable connected them to the removable in-line connector on the Rainbow.

The LED's fit to the left of the Antenna connectors using Roy's standard layout. The Bridge/SWR switch went between the antenna connector and the first vari-cap knob.

My first tests resulted in a disappointment. All the LEDs would come on, and stay on. I removed the case, and found that if the board was positioned at right angles to the toroid/vari-caps, it worked fine.

A message back from Joe Everhart suggested that a groundplane for his board would be desirable. Lacking time, since I needed to depart for Colorado, meant the mother of invention must take over. I sandwiched a piece of aluminum foil into a wrap of wrapping tape, taped that to the solder side of the PCB, and re-assembled. Works Great!

I think the combo is a great success. I do, however, suggest using a more elegant way to add a groundplane/shield between the rainbow and the tuner!

73, Bob

AB7ST, still in Ft Collins through Sunday.

Date: Mon, 30 Jun 1997 19:40:10 -0700
From: Bill Todd <bill@techline.com>
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU, holly_irick@msn.com
Subject: [22238] NorthWest QRP FD Report
Message-ID: <1.5.4.32.19970701024010.006c4c28@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The NorthWest QRP Club Field Day event, here in Bay Center, WA was a great deal of fun. We improved our score from last year. In fact...we had about a 1/3rd increase in CW contacts from 1996 (with 252 CW QSO's, as compared with 153 CW QSO's last year).

If I did my calculatin' right, our overall score improved too. In 1996 we had a score of 2895 points - and this year it looks like we will have 3615 points for a 2A operation. That improvement included an extremely laid back Sunday morning, when we could only get one station going. The rest of the group just wanted to chat and drink coffee - (I said we had a fun time, remember?).

Details

Our 20 meter station put out a pretty good signal this year, what with a 2 element quad about 60 feet up at the high point. That was a pretty good trick to hang a quad without using spreaders. We just hung it between high tree limbs and spread it apart, and aimed it towards the South East. Thanks go to Brian, K7QF for helping me fine-tune this monster. The antenna was originally a 3 element quad, but Brian "tactfully" suggested that I was attempting a bit of overkill, so we reduced it to a 2 element at the last minute..hi. Roy, W6EMT let us use his nifty antenna analyzer gizmo to be sure it was resonant.

We really didn't have a dedicated 15 meter antenna, so we just used the 40 meter Delta Loop, and tried N7MOB's vertical for awhile too (I need to improve our 15 meter antenna for next year...).

Mark, WF7M let us use his 80 meter dipole for 80 and also for (at times) 40 meters, and Mark really put in a Yomen's effort by sticking with 40 meter CW for a total of 7 hours! (Ouch). WF7M managed to make 3 satellite contacts on a single pass (good work Mark!!).

Brian, KV9X pounded the brass late into the eveinig on 20 meters, and helped to get our packet station on the air too. Thanks for the use of the laptop Brian!

Marcia, KB7MCW was handy doing the logging and help to keep us from aying "HOT DAM★" when we got another section.

K7WUW, Gerry - let us use his 2 meter Boomer antenna, and although he didn't operate, he gave us our needed packet contact and also helped us to pass our Section Manager message along its' way.

K7NPS, Jim helped us to remember the need to take it easy. He also made all out 2 meter FM contacts with all the locals (thanks Jim).

We had so much fun...about 1/2 the operators dropped what they were doing, and took a long walk on the beach, led my your roving reporter, N7MFB.

We had all the regular bonus points - including (this time) a message sent to our local ARRL Section Manager.

I could go on and on, but you folks have other Field Day reports to read. So, I'll close this report by saying thanks to all of the operators, the non-operators who contributed too, and the hundreds of local kids who swiped more than one (allowed) soda from our cooler (hi).

BCNU next year!

CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Mon, 30 Jun 1997 20:06:29 -0700 (MST)
From: Brian Kassel <bkassel@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [22239] Battery Charging/Care Info and Sites
Message-ID: <199707010306.UAA24986@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

I got this off of another list (mobile-portable@qsl.net). It might give some of you some data cocerning batteries that you may need. After FD, the second thing that I do, upon my return to the home QTH, is charge those batteries.

I have included the entire message with headers if you care to contact the originator.

Return-Path: <owner-mobile-portable@ns1.qsl.net>
X-Authentication-Warning: ns1.qsl.net: majordom set sender to owner-mobile-portable@qsl.net using -f
To: mobile-portable@qsl.net
Subject: [Mobile/Portable] Battery Charging and Care
X-Juno-Line-Breaks: 1-2,4-5,7-8,15-16,21-28,31-32,36-37,39-40
From: w4wwwq@juno.com (Peter J Lascell)
Date: Mon, 30 Jun 1997 22:13:42 EDT
Sender: owner-mobile-portable@qsl.net
X-Questions: k7on@qsl.net >or< <http://www.qsl.net/k7on>

>What is the recommended MAX charging current for a RV Deep Cycle
>battery?

Maybe this is more than you wanted to know. . . I found more than I could remember.

I got a lot of questions answered by looking at the FAQ and other links it pointed to. Interstate was a big help over the phone too.

The Heathkit 10 Amp Automatic Battery Charger of about 1975 is OK on regular auto batteries but will not fully charge the Maintenance Free or Deep Cycle Marine type. To do this, Diode D8 will have to be replaced with a higher voltage zener, about 13.8 volts. The 12.8 volt zener originally supplied for D8, + 0.67 VDC drop across the transistor junction, set the full charge voltage to about 13.47 VDC as it was originally designed.

A significant bit of information: the old style of lead acid auto battery and gel-cells charge to the same level about 13.5-13.8 VDC. Marine Deep Cycle and maintenance free type of batteries charge to a higher cut-off voltage level on the charger, 14.4-14.7. The EQUALIZE charge voltage is 15.1-15.3 VDC.

Marine Deep Cycle Battery FAQ
<http://www.ee.ualberta.ca/~schmaus/dcbat.html>

Interstate Battery web site
<http://www.ibsa.com/>

Send e-mail with specific technical questions to: janek@ibsa.com and you will most likely get a phone call from Bob Kimbro at Interstate Battery, Dallas, TX. He is most helpful and knowledgeable.

Final note: If you are looking around for a good deal on batteries, ask

Date: Tue, 1 Jul 97 9:01:06 METDST
From: sassoli@iilwh10.settimo.italtel.it
To: qrp-l@Lehigh.EDU
Subject: [22241] TNX & NE602 question
Message-ID: <9707010708.AA11263@ic8u32.settimo.italtel.it>

Hi, first of all I want to thank the friends who gave me the info about IF coils and filters.

Now I try to get another suggestion about using the NE602 mixer as part of a 20 meters direct conversion receiver:

I've just bought a 14.060 KHz crystal at the Friedrichshafen hamfest, and I'd like to use it in a simple 20 meters transceiver similar to the NORCAL 49er.

Now the question is: can I use the NE602 on 20 meters simply connecting a band filter at the input pins (and an antenna, of course), or it is better to use it after a band amplifier?

In other words, is NE602 sensitive enough to pick up weak signals on 20 meters?

Thanks again.

73 de Paolo IK2LNH

Date: Tue, 01 Jul 1997 00:37:15 -0700
From: Bill Todd <bill@techline.com>
To: qrp-l@Lehigh.EDU
Subject: [22242] Invitation
Message-ID: <1.5.4.32.19970701073715.006cade4@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello list -=20

Was I the only one to receive this stupid E-mail about a resort in Mississippi?
Why in the world would anyone think I would enjoy taking a tour of a resort in Mississippi? =20

Message edited to reduce bandwidth -=20

>Return-Path: <rhenry@azstarnet.com>
>From: rhenry@azstarnet.com
>Date: Tue, 1 Jul 1997 02:18:52 -0700
>X-Advertisement: Vistt <http://www.iemmc.org> for name removal information.
>To: rhenry@azstarnet.com
>Subject: Invitation
>
>Hi,
>
>My name is Robert Henry. I work for the Chateau Le Grand Resort in Biloxi. My job is to invite married couples to take a tour of the resort. The resort is absolutely beautiful. It is located on Highway 90 (on the beach front). =20
>
>The Chateau Le Grand does very little advertising. The idea behind having couples tour the resort, is that you will be impressed enough with what you see, that in the future, you will include one of our many resorts in your vacation plans.

>Please E-Mail me as soon as possible, I would love to have you tour the resort as my guest. The gifts that the resort gives you are wonderful and are absolutely free =96 you are not required to purchase anything what so= ever.. =20
>I would be delighted to answer any questions you might have about this. I hope to send you to dinner and a vacation on us soon!!!
>
>Sincerely,
>
>Robert Henry
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Tue, 01 Jul 1997 10:29:07 GMT
From: wallace@world.std.com (Andy Wallace)
To: markem@primenet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22243] Re: TenTec list?
Message-ID: <33bbdba8.1848006@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Hello, "M. Monninger" <markem@primenet.com>!=20

>I've seen references to a Ten Tec mailing list. Anyone know any details,
>like how to subscribe?

Not sure exactly on subscribing, since I subscribed when it was
through another listproc...but here's some info: (look at the faq,
don't just email the listproc)

=46AQ on WWW: <http://www.contesting.com/tentecfaq.htm>
Submissions: tentec@contesting.com
Administrative requests: tentec-REQUEST@contesting.com
Problems: owner-tentec@contesting.com

Good luck. It's a good list! But I still didn't see any real reviews
of the QRP kits....

--Andy
wallace@world.std.com

Curly: Oh....short wave?
Moe: No! Poimanent.=20
<BONK!>
(THEY STOOGE TO CONGA, 1943)

Date: Tue, 01 Jul 1997 13:35:47 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22244] SLV/W6MMA
Message-ID: <33B8DD83.638D@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi gang,

Two weeks ago I set up my SLV with the 80 m MMA coil on the bank of the
river Vantaa near Helsinki.

First I made (untuned) 4 radials of 6 m length and measured the
impedance with my RF-1 at 7 MHz tuning the coil for lowest impedance.
This gave me 43 Ohm or so. I decided to see what a few more radials
would do. Six radials gave me 38 Ohm. I didn't have a rig with me at
that time, so I didn't do any other tests, but I was satisfied with the

results.

A week later, when many of you were on a FD trip, I did bring a rig to this portable location of mine and set up the antenna again. I was very surprised to measure only 27 Ohm at resonance. I matched with a Z-match and worked with it all weekend on 40. I made one QSO on 80 m where the impedance at resonance was also only 27 Ohm.

I wonder if these impedance values are OK? My fishing rod is the original SD-20 that Vern sent, so it's 6 m tall and the coil was at ca. 2 m height. The radials were on the grassy ground. the RF-1 was connected through ca. 50 cm RG-58c to the base of the antenna. I assumed that for a 1/4 WL vertical the impedance would be 37 Ohm plus ground losses.

Why would there be such a difference between the results one week apart on almost the same spot. The second week the grass under the radials was shorter as I put the antenna on the lawn, while the first week the antenna was ca. 20 m to the south where the grass is not mowed and the radials aren't lying as close to the moist ground as they do on the lawn.

Any opinions/experiences?

73, OH2ZAZ

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0457

Date: Tue, 01 Jul 1997 06:18:02 -0400
From: K4AHK@ix.netcom.com
To: tmh@world.std.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22245] Re: Ten-Tec 6 Meter Transceiver Kit
Message-ID: <33B8D956.557F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have built and am using the Ten-Tec six meter FM transceiver kit. It is a good kit and works fine. It looks as good as the imports. Just like a commercial 2 meter rig, it has memories, tones, selectable offset, and memory pairs that may be set up for nonstandard offsets. It

has plenty of receive audio and on-the-air reports of the transmit audio have been good.

I am using this rig with local 6 meter FM repeaters - same as 2 meter operation. My QTH is near Washington, DC and activity is very high on most of the 2 meter machines. Since not many people work 6 FM, the activity is much more to my liking - less chatter.

This rig works only FM. It is not a rig for the occasional CW or SSB openings at the bottom of the band. For CW & SSB, I built the Ten-Tec transverter kit for 20m to 6m. It is hung on the output of my Icom 735 and gives me a QRP signal that works fairly well with a good antenna. Unfortunately, I can only have indoor or hidden antennas so cannot do much with VHF/UHF.

Bill - K4AHK

Date: Tue, 1 Jul 1997 03:47:06 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-l@Lehigh.EDU
Subject: [22246] Send me those FD entries.
Message-ID: <199707011047.DAA01434@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang -

>From the looks of it, I'm going to be receiving lots of entries for the Milliwatt Field Day competition. Whether you were over 1 watt or under, or operated as an individual, a two-person team or a club, send in a copy of your ARRL entry sheet.

We give real hardware for this one, including a new trophy sponsored by K5FO himself.

Which one of you is going to make Chuck pay?

And yes, the shower head, the air conditioner vent, and all the local birds are sending CW. They do it every year right after Field Day.

Thanks and 72/73,

Cam Hartford N6GA
QRP ARCI Contest Manager

Date: Tue, 1 Jul 1997 03:47:07 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@Lehigh.EDU
Subject: [22247] Summer Homebrew Sprint
Message-ID: <199707011047.DAA01438@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang -

Recovered from Field Day yet?

I know this may be a little early for some of you, but the QRP ARCI Summer Homebrew Sprint is just a couple weeks away. July 13, 1997.

You all should be ready by then. This one doesn't require you to go outside, use bug spray, suntan lotion or go tree fishing. You can operate in the comfort of your air-conditioned home, near the refrigerator.

You get bonus points for using homebrew radios. An excellent chance to shake down your shiny new homebrew radio.

Hope to see you there -

Cam N6GA

QRP ARCI SUMMER HOMEBREW SPRINT Sponsored by QRP ARC International. 2000 - 2400 Z, July 13, 1997. CW only. Entries may be Single Band, All Band, High Band (20, 15, 10 or 6) or Low Band (160, 80 and 40). Work stations once per band. Exchange signal report, state/province/ country, and QRP ARCI number if member, or power output if non-member. 1.830 3.560 3.710 7.040 7.110 14.060 21.060 21.110 28.060 28.110. QSO points: 5 points / QSO with ARCI member, 2 points for non-members same continent, 4 points for non-members different continent. Bonus points awarded for using homebrew equipment, apply for each band on which homebrew equipment was used: +2000 points for HB transmitter; +3000 points for HB receiver; +5000 for HB transceiver. A piece of equipment is considered to be homebrew if you built it. Final score is total of QSO points (all bands) multiplied by total of states/provinces/countries (all bands) times power multiplier (> 5 W output, X1; <5 W output, X7; <1 W output, X 10; < 250 MW output, X 15), plus bonus

points. Include description of equipment and antennas used. Mail entries by August 13, 1997 to QRP ARCI Contest Mgr, Cam Hartford, N6GA, 1959 Bridgeport Ave., Claremont CA 91711. Or send by e-mail to CamQRP@cyberg8t.com.

Date: Tue, 01 Jul 97 05:52:21 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22248] Re: Review of T-kits
Message-ID: <199707011049.FAA25229@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

In regards to the Ten Tec series visit Chucks web site - <http://reality.sgi.com/adams/>

He has pictures of the kit during the assembly process. I built the 1340 (40M) version, really like it, so did the experienced QRP OPs who made several contacts during FD. The kit was easy to build, the newer PCBs do have solder mask and plate-thru. I did add a large rectifier diode across the 12 VDC power input jack and a fuse in the +DCV line. I also took extra time to wind the VFO coil into my area of operation. However the instructions are right on the money if you want to operate ~7.010 to 7.080 MHz.

I saw the OHR 100 in action during FD and it certainly works quite well also. But it used about 12 toroids (winding time) so assembly time would probably be a little longer. There are lots of great kits out there, just check out some of the web sites of the guys on this list for excellent information on them.

72/73 Larry T QRP-L #1104

Date: Tue, 1 Jul 97 06:56:54 -0400
From: pmeier <pmeier@tir.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [22249] FS:WM20 SSB / MFJ-411 Tutor
Message-ID: <199707011055.GAA24433@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

For sale:

White Mountain SSB 20 meter QRP radio with the optional case and

including a Radio Shack microphone. The unit it was carefully built and works perfectly. Checked out by Dave Benson himself. Reason I'm selling is I just don't operated SSB. Bought it mostly for the fun of building it but now want to move on and build other things. Price is \$155.

MFJ 411 Pocket Code Tutor like new - %45.

Prices include shipping continental U.S.

Pete WK8S

Date: Tue, 1 Jul 1997 04:16:10 -0700
From: Robert Everitt Heiss <rheiss@volta.ee.calpoly.edu>
To: qrp-1@Lehigh.EDU
Subject: [22250] K06KA FD 1B Battery
Message-ID: <199707011116.EAA12780@volta.ee.calpoly.edu>

This year I returned to my desolate corner of Los Padres National Forest, about 120 16' longitude and 35 23' latitude. It's near a condor refuge but the only bird in sight was a hummingbird, go figure. The weather was absolutely clear and typical for dry season; I brought a thermometer to check out the temperature extremes which were 102F in the shade down to 46F at dawn. That shade was imported in the form of a canopy since there isn't much forest to speak of. I'd recommend a hat and sunblock instead of the ten-dollar "dining canopy" because it's so frustrating to set up solo, it flaps very noisily in a light breeze, and responds to moderate gusts by ejecting the center pole and sagging onto the operator's head. My other discount store purchase worked out much better. It was a folding table with light but sturdy aluminum frame and a nice rectangular size. Such a luxury to have a table and chair; I don't always bring them when camping.

Operating time was less than 14 hours because I started the setup so late Saturday and got some sleep after midnight. The QSOs totalled 134 including 8 on SSB and 10 by calling CQ. Break down was a stubborn 15 QSOs on 15m, a tardy 48 QSOs on 20m, and a brisk 68 QSOs worth of the hot 40m action. Rig in use was the nearly worn out Ten-Tec Argonaut 509 pumping 3 to 4 watts into a trap vertical. Actually four different verticals and two different radial systems because I was having fun running some experiments. I sent with a paddle and logged with a pencil; no big deal with the dupe sheets so nearly empty. I worked VE7NSR, AA7QU, and N6GA to mention few of the other folks out there having fun.

73, Rob Heiss K06KA CP-30

rheiss@volta.ee.calpoly.edu

Date: Tue, 1 Jul 1997 12:19:45 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: wallace@world.std.com
Cc: qrp-l@Lehigh.EDU
Subject: [22251] Re: Review of T-kits
Message-ID: <199707011119.MAA13400@chuck.dallas.sgi.com>

Gang,

I have a review of the TT1340 on my web page that is from the posting that I did here when the rig first came out.

Yes, they did redo the boards on the 40M version. When I talked to TenTec they were still shipping the TT1330 with the old boards and had no plans to change over. IMHO I think they have a lot of the old boards.

The only complaint that some may have is that the filter is wide. But it does operate very nicely as TenTec does make good CW rigs.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/>
WIMPS: Qs=039 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=014

Date: Tue, 1 Jul 1997 12:26:39 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: reo@azstarnet.com
Cc: qrp-l@Lehigh.EDU
Subject: [22252] Re: QRP-L digest 773
Message-ID: <199707011126.MAA13429@chuck.dallas.sgi.com>

Bob et.al.,

There are no restrictions on the sending of the digest to personal friends. At the present time I think the number of people getting qrp-l direct is around 2,000 and growing. There are a number of reflectors, i.e. sites on the Internet that copy and others have access to the list. It's the wave of the future.

This all probably means that over 2,500+ individuals are reading the list. The material is copyright by the poster, thus anyone should ask permission from the author before using the material in newsletter or other printed material. It is just the right thing to do. Same rule holds for posting ideas from other sources, i.e. credit given where credit due.

Now don't take that as recopying word for word another posting. Please. We are going to hit a multi-megabyte character count for the year and storage is at a premium everywhere.

On the head count. Not bad for something that started out with hopes of having about 40 people with a common interest. :-)

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=039 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=014

Date: Tue, 1 Jul 1997 07:40:07 -0400
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [22253] NF3I/5, Biloxi, MS 7-10 July
Message-ID: <Pine.3.89.9707010729.A11562-0100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Another week, another conference...flying into New Orleans the 7th, driving to Biloxi, going to a conference to speak...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

Date: Tue, 01 Jul 1997 06:43:18 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@Lehigh.EDU
Subject: [22254] Re: Invitation

Message-ID: <33B90976.3BB@vdbb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Todd wrote:

>
> Hello list -
>
> Was I the only one to receive this stupid E-mail about a resort in Mississippi?

Well, Now we all have! Hi Hi!

--

73 de Jeff AC6KW
grudin@vdbb.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Tue, 1 Jul 1997 09:36:38 -0400 (EDT)
From: Krishna Kumar <kkumar@mail.imake.com>
To: qrp-l@Lehigh.EDU
Subject: [22255] Field Day report - a question
Message-ID: <Pine.A32.3.91.970701093313.17793A-100000@bismark.md.imake.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang,

This field day was my first one as w4/vu2vku. I operated k4HTA. Just made some SSB contacts on 80m. The reports exchanged was 4AVA. I know that the last 2 alphabets was for Virginia, can some one explain to me the way the first number and the second alphabets are formed. Thanks in advance.

72/73's de w4/vu2vku

Date: Tue, 1 Jul 1997 10:03:41 -0400 (EDT)
From: Buck Switzer <n8cqa@tir.com>
To: qrp-1@Lehigh.EDU
Cc: n8cqa@tir.com
Subject: [22256] MI-QRP 4 July CW Sprint
Message-ID: <199707011403.KAA21381@tir.com>
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="=====_867776576==_"

--=====_867776576==_
Content-Type: text/plain; charset="us-ascii"

Gang - I'm sure I sent this before, but it isn't in the listings I'm seeing,
so here it is again.

--=====_867776576==_
Content-Type: text/plain; charset="us-ascii"

MICHIGAN QRP CLUB
1997 JULY 4TH CW SPRINT

DATE: 2300Z 4 July, 1997 to 0300Z 5 July, 1997.
(1900EDT Fri. 07/04/97 to 2300EDT Fri. 07/04/97)

CW only. 160 thru 6 Meters (no WARC bands).

CLASSES: A - 250 milliwatts or less output.
B - One watt to 250 milliwatts output.
C - Five watts to one watt output.
D - Over five watts output.

EXCHANGE: RST, QTH (State/Province/Country) and MI-QRP Membership
Number (non-members send power-output).

SCORING: Stations may be worked once per band for QSO points.
All member contacts are 5 points.

Non member contacts in W & VE are 2 points.
Non member contacts outside W & VE are 4 points.
Multiply total QSO Points, on all bands, by the total number of States/
Provinces/Countries worked on all bands for total
points. U.S. & Canada
do not count as countries.

BONUS POINTS: Total points may be multiplied by 1.25 for home brew RX or TX
w/commercial RX or TX combinations. Multiply by

1.5 for a total

home-brew station. Home brew = any kit or home made gear, it is not necessary for you to have built it yourself.

Those using home-brew gear on some, but not all bands, may claim credit by listing the proper bonus points in each band's "BPts" column on the score sheet, adding them up and dividing by the number of bands used. Enter the average (round to 2 decimal places) in the "Totals" row, under the "BPts" column. I'll do this for you if you give me adequate rig info on each band.

AWARDS: Certificates awarded by class for each State/Province/Country.

A legible, chronological log is required. Please include your name, call, address, equipment description and POWER OUTPUT Logs must be received by 4 AUGUST, 1997. Results will be printed in the September, 1997 T5W. Final decision on any contest matters rest with the contest manager.

All logs to: L. T. SWITZER N8CQA
654 GEORGIA AVENUE
MARYSVILLE MI 48040-1243

Log and entry sheets available for an SASE to the above.

--=====867776576==_
Content-Type: text/plain; charset="us-ascii"

72/73

*Buck Switzer, N8CQA, 654 Georgia Ave., Marysville, MI 48040-1243 *
*Home:(810)364-9640, Work:(810)469-1600, Fax:(810)364-8179 *
*n8cqat@tir.com, am441@detroit.freenet.org *
* *

--===== _867776576==_--

Date: Tue, 1 Jul 1997 07:07:02 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: camqrp@cyberg8t.com
Cc: qrp-1@Lehigh.EDU
Subject: [22257] Re: Send me those FD entries.
Message-ID: <199707011407.HAA01225@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:47 AM 7/1/97 -0700, you wrote:

>
>And yes, the shower head, the air conditioner vent, and all the local birds
>are sending CW. They do it every year right after Field Day.
>
>
Heck, I heard cw coming from a car driving past me last night. Turned out
the guy had a Codeboy working on the seat beside him. Another nut on the
road :^).

73,
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

Date: Tue, 1 Jul 1997 10:16:14 -0400 (EDT)
From: Buck Switzer <n8cqa@tir.com>
To: qrp-1@Lehigh.EDU
Cc: n8cqa@tir.com
Subject: [22258] MI-QRP July 4 CW Sprint
Message-ID: <199707011416.KAA24021@tir.com>
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="===== _867777332==_"

--===== _867777332==_

Content-Type: text/plain; charset="us-ascii"

Gang - Sorry, the spacing, etc. got garbled first try, hope this is better.

72/73 Buck

--=====867777332==_

Content-Type: text/plain; charset="us-ascii"

MICHIGAN QRP CLUB
1997 JULY 4TH CW SPRINT

DATE: 2300Z 4 July, 1997 to 0300Z 5 July, 1997.
(1900EDT Fri. 07/04/97 to 2300EDT Fri. 07/04/97)
CW only. 160 thru 6 Meters (no WARC bands).

CLASSES: A - 250 milliwatts or less output.
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C - Five watts to one watt output.
D - Over five watts output.

EXCHANGE: RST, QTH (State/Province/Country) and MI-QRP Membership
Number (non-members send power-output).

SCORING: Stations may be worked once per band for QSO points.
All member contacts are 5 points.

Non member contacts in W & VE are 2 points.
Non member contacts outside W & VE are 4 points.
Multiply total QSO Points, on all bands, by the total number of States/
Provinces/Countries worked on all bands for total points. U.S. &
Canada
do not count as countries.

BONUS POINTS: Total points may be multiplied by 1.25 for home brew RX or TX
w/commercial RX or TX combinations. Multiply by 1.5 for a total
home-brew station. Home brew = any kit or home made gear, it is not
necessary for you to have built it yourself.

Those using home-brew gear on some, but not all bands, may claim credit by
listing the proper bonus points in each band's "BPs" column on the score sheet,
adding them up and dividing by the number of bands used. Enter the average (round
to 2 decimal places) in the "Totals" row, under the "BPs" column. I'll do this
for you if you give me adequate rig info on each band.

AWARDS: Certificates awarded by class for each State/Province/Country.

A legible, chronological log is required. Please include your name, call, address, equipment description and POWER OUTPUT Logs must be received by 4 AUGUST, 1997. Results will be printed in the September, 1997 T5W. Final decision on any contest matters rest with the contest manager.

All logs to: L. T. SWITZER N8CQA
654 GEORGIA AVENUE
MARYSVILLE MI 48040-1243

Log and entry sheets available for an SASE to the above.

--=====867777332==_--

Date: 1 Jul 97 10:47:00 -0400
From: jfitton@lucent.com
To: qrp-l@Lehigh.EDU
Subject: [22259] W1FMR FD
Message-ID: <199707011454.KAA06220@emsr1.emsr.lucent.com>
Content-Type: text

QRP-L (and others)

There was no official QRP-NE FD operation this year.
FD manager Bill Acito said that no one (except him and I)
showed enough interest.

On Saturday, I operated solo FD from a picnic area along the
NH seacoast in the company of a nice lady (not a black widow)
who helped me set up.

I used a Gusher 20m (N2CX design) dipole hung from a Black
Widow (fishing pole), a GM-20 rig, and a Solo 8 (Rick
Littlefield) speaker.

I had forgotten my (ATU) tuner and was grateful to have a 40m Gusher antenna kit, very easily converted to 20m.

Antenna set-up and experimentation continued, until things seemed to work very well.

It was wonderful and scenic at the park overlooking a fishing harbor. I had the chance to answer a lot of questions from passer-by.

Just as 20m, the station, and I seemed to perk up, the park closed (8 pm).

72/73 Jim, W1FMR <><

jffitton@lucent.com

Date: Sun, 29 Jun 1997 10:36:53 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Subject: [22260] /AA !! Thanks
Message-ID: <199707011533.KAA00953@mol-sun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

/AA !!

Nailed the code test despite some mistimed brain-hiccups. Thanks all for the encouragement. Thanks also to the VE who pushed me to take advanced test in addition to 3b.

...To other N/T/T+ s, you can do it if i can. MFJ418 helped much.

73,

adam, n2brt

adam-kanis@uiowa.edu

Date: Tue, 01 Jul 1997 09:10:37 -0700
From: Bill Todd <bill@techline.com>
To: "Mark A. Andrews" <KE4IOF@HiWAAAY.net>
Cc: qrp-1@Lehigh.EDU

Subject: [22261] Re: Invitation
Message-ID: <1.5.4.32.19970701161037.006bffd@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:16 AM 7/1/97 -0500, you wrote:
>First question. Have you ever been to Biloxi Mississippi?
>
>Mark

For heavens sake, NO. I am sure the people who live there are great Americans, but I have no burning desire to visit that fair city (hi).

BCNU,
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Tue, 01 Jul 1997 09:18:53 -0700
From: Bill Todd <bill@techline.com>
To: AE0Q V31RY <v31ry@ix.netcom.com>
Cc: qrp-1@Lehigh.EDU
Subject: [22262] Re: Invitation
Message-ID: <1.5.4.32.19970701161853.006c1ec0@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:20 AM 7/1/97 -0600, you wrote:
>At 00:37 01-07-97 -0700, you wrote:
>>Hello list -
>>
>>Was I the only one to receive this stupid E-mail about a resort in
>>Mississippi?
>
>
> I didn't get it the first time, but I had to read it THIS time. :-(
>Now we all got it, for sure..
>
>Glenn

Ha Ha, you are right about that Glenn. I should get a commission from those folks if anyone on the list buys one of those timeshares.

BCNU,
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Tue, 1 Jul 1997 12:26:54 -0400
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [22263] 12V Computer Works AOK!
Message-ID: <199707011624.MAA55420@nss2.CC.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang,

I see that other have posted for info on using a laptop while /P. I used my Compaq Contura 425SL this FD. I ran it off the same 105 A-hr marine battery as my Argo 556. Worked fully FB! The battery started the contest fully charged and after 22 hrs with both rig and computer on line the red thingy showed in the battery window indicating 50% charge left.

I did have to make a special pigtail with a fuse holder and alligator clips for the computer. One thing I tested was the lower voltage limit for operation of the computer. At home I connected the computer to a 4 A-hr gel cell and monitored the voltage. The computer quit at 11.5V. So at least I know the lower limit.

I plan to use this setup for all future /P tests that I can drive my 4x4 to. One would not want to carry this large battery anywhere!

72, Mark N2VPK
Member of the Buffalo QRP Connection

Date: Tue, 1 Jul 1997 09:26:03 -0700 (PDT)
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
To: bill@techline.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22264] Argh, spam! (was Re: Invitation)

Message-ID: <Roam.SIMC.2.0.6.867774363.21669.myers@bigboy>
Content-Type: text

I don't really about Biloxi... and spam (unsolicited email sent in volume) is currently a way of life. Spam is annoying when it is off-topic, but this is only multiplied when start discussing spam. If you get spam that isn't obviously illegal, delete it, forget about it. If you get spam that is illegal (for example, offering child - not adult - pornography or some kind of fraud) please inform your sysadm, since they may wish to take action.

But, I kindly request that we work to preserve the generally excellent signal-to-noise ratio of this mailing list by not prolonging the impact of one piece of spam.

Dana K6JQ
Dana@Source.Net

Date: Tue, 1 Jul 1997 17:52:52 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [22265] K5FO Code Course Online
Message-ID: <199707011652.RAA15171@chuck.dallas.sgi.com>

Gang,

Have started a section on the home page with Morse training in mind. Those learning the code or wishing to learn the code should visit and let me know what you think. More importantly, don't put off getting to work on it.

I have also added photos of the Envirotronic 501F, 501G, and 502 for those that are just wondering what in the world they look like.

FYI and have a nice holiday. I gotta see how I can improve on my WIMPS score now that I've seen 150+. Awesome dude. Got the QSL for the first SST30 to SST30 QS0. Frame that puppy. :-)

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/>
WIMPS: Qs=040 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=015

Date: Tue, 01 Jul 1997 10:01:46 -0700
From: David Smith <qrp-dave@ocsnet.net>
To: QRP-L@Lehigh.EDU
Subject: [22266] Century 21 Digital
Message-ID: <B0001161521@ntserv1.ocsnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have Century 21 Digital rig (cw on 80, 40, 20, 15, and 10) output can be adjusted down to QRP levels, and up to 35-40W. I am interested in perhaps trading this rig for other QRP gear. Works EXCELLENT and aside from a small paint chip on the upper left hand corner of the case, it is in pristine condition. I would say that the condition is excellent, save for the chip. Of course, has never had smoke blown in its face and I have the original manual.

Let me know what you have. I am located in Central California and would prefer eyeball delivery to shipping. I might be interested in anything from antennas to ? Lemmie know. Nice rig. QRPDave@ocsnet.net

Dave Smith, KE6PUF

Date: Tue, 1 Jul 1997 10:00:54 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: w5hir@mail.phoenix.net
Cc: qrp-l@Lehigh.EDU
Subject: [22267] Re: antenna formulae
Message-ID: <199707011700.KAA15629@siskiyou.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's my SWAG:

The differences are because the authors are accounting for the non-zero conductor thickness. The larger the conductor, the lower the number that you have to divide to half wave length. 468 works well for average conductor sizes for wire dipoles, as I remember.

73 de Jim, W7LS

At 08:16 PM 6/29/97 -0500, you wrote:

> I've been around ham radio for about 60 years. I have
> put together many antennas, and used the formula 468/Fmhz to

>calculate the length of a 1/2 wave antenna. BUT!!! many of the
>articles I read in QST, CQ et al give dimensions all over the
>place. Example, a phased twinlead dual dipole array. The
>bands vs lengths of the dipole elements varies all considerably.
> I back tracked the dimensions using the published length
>times the freq. in mhz and come out with everythingh from 448
>to 469...
>
> Perhaps this is due to location of the published arrays.
>It then gives me (and I assume the novice) the uncomfortable
>feeling that if one were to try and design his or her own antenna
>(even a simple dipole) that to start with a figure e.g. 468,
>one could conceivably come up very short in length..
>
> Anyone have any ideas on this subject they would care to
>share???

>
>
>Foxy w5hir@mail.phoenix.net
>
>
>
>

Date: Tue, 1 Jul 1997 13:36:45 -0400
From: Bill Carver <bcarver@magiclink.com>
To: SNickrand@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22268] 38S - 74HC240/74HCT240
Message-ID: <199707011736.NAA43899@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Nick,

About your second 38S you said:

"When pin 11 of the HC240 is momentarily touched by finger or dmm probe, the side tone kicks in and I get about 2 to 3 watts out. The radio works like this until it is shut off, and then pin 11 has to be touched again in order to establish sidetone and pwr out."

The 240 is not intended for linear use, of course. It's a logic chip with input at either ground or 5 volts (or moving quickly between those two voltages, not lingering). It's not uncommon to use CMOS in quasi linear

applications, putting a dc bias at about 1/2 of the supply voltage for linear operation. But in the 38S no DC return was used, the input pin 11 floating. A NO-NO as I said before. The dc voltage will be determined by internal leakages of the chip, leakage on the PC board through solder flux, etc. Or, in your case, by the voltage on your finger at the instant you lift it from the pin.

When the input is right at half of supply voltage both of the complementary output FETs are turned on: one to ground, the other to supply voltage. Ordinary CMOS doesn't mind this too much. But the HC240, which has heavy output FETs, will draw LOTS of dc supply current. You can't leave pin 11 biased at 1/2 supply all the time.

To establish, DURING TRANSMIT ONLY, a dc bias of about 1/2 supply voltage, put a resistor between "R-", pin 7 of the HC240, to pin 11, and a second resistor from pin 11 to ground (pin 10 is ground). In other words, you add two resistors between R- and ground, making a voltage divider to establish about half supply voltage at pin 11 during transmit. Pin 11 will be ground during receive intervals. The resistors need only have the same value: it could be anything from 10K to 10 megohms, I think something around 100K-1 Meg would be just dandy.

The HCT240 in logic application switches between "1" and "0" at a different input voltage than the HC240. The "T" means "TTL compatible", the HCT switching at about 1.2 volts or so, like TTL logic. At first blush it would seem the only thing to adapt it to the 38S would be to use DIFFERENT resistor values. Problem is the 38S is running these chips way, WAY beyond the normal 4.5-5.5 volt operating voltage, and way beyond the 7 volt "absolute maximum" supply voltage. At 8 volts the input threshold is not likely to remain at 1.2 volts! I don't have one to try.

With an HCT240 one must QUICKLY perform a test: connect a resistor from pin 11 to the wiper of any ol' pot connected between +8v and ground. Watch the power supply current and adjust the pot for maximum supply current. I say QUICKLY, doing it in several one-tenth second adjustments with cooling time of a second in between, because this chip is already being abused by excessive supply voltage and will be dissipating several watts.

Now move the resistor from the pot wiper to ground so the HC240 is definitely off and you don't smoke it. Now you can leisurely measure the pot voltage. This is the voltage you need to bias the HCT240. Again, this voltage should be there DURING TRANSMIT ONLY. The two resistors go between the same points, pins 7-11 and pins 11-ground, but the 7-11 resistor will be larger than the 11-GND resistor. For example if you find the "threshold" of your HCT is 1.8 volts, and your 8V regulator is putting out 8.2 volts, then the ratio of the two resistors needs to be $(8.2 - 1.8)$ divided by 1.8 (Ohms law in action). So if you had a 100K in your junkbox for between pins 11 and ground, that means you should have 355.5555K from pins 7-11. (!) 360K is

going to be fine.

When transmitting the RF drives the input above and below the bias point set by the resistors. The HC240 doesn't linger at the bias point for long, so the two output FETs are not both on for a big percentage of the time and therefore the HC240 isn't abused as much as our QUICK dc test.

Note that if the RF output of TR1 is really low (or missing!), when you hit the key U4 will be sitting there at 1/2 supply voltage and it'll be our dc test again. Most likely U4 will cook in short order. If I was bringing up a new rig I would make sure TC2 peaks up nicely (say on a nearby receiver) as a minimum: if have a scope or RF probe it would be nice to see at least 1 volt p-p of RF at the collector of TR1 before committing the an HC240 to the U4 socket.

Modern semiconductors are rugged, but U4 is being run way beyond the absolute maximum specification of the manufacturer. Proper biasing, and not running it without drive and the least we can do to help it survive.

You mentioned blowing up an NE602 earlier. Too bad, but has nothing to do with your HC240 problem. Don't hang up your soldering iron, it ain't your fault!

Regards - Bill - W7AAZ

Date: Tue, 1 Jul 1997 14:00:28 -0400
From: "Mike Czuhajewski" <mzczuhajewski@evi-inc.com>
To: "QRP forum" <qrp-1@Lehigh.EDU>
Cc: "Mike Czuhajewski" <wa8mcq@abs.net>
Subject: [22269] Regarding tiny rigs
Message-ID: <199707011658.MAA17077@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Someone made a comment a while ago about a friend trying to build a 40-9er into a small paper tube about a half inch diameter and 4 inches long and reflecting negatively on such miniaturization activities. While I don't think I'd use that particular package, described as the cover from, uh, a feminine product (my objection being based more on the flimsiness and form factor than the, uh, source), I support the friend all the way. Myself and a few friends locally built tiny rigs for the fun of it and enjoyed it tremendously. Myself and one of those friends are planning on an even smaller rig competition. Let's not miss the point of doing things like

this--it is *NOT* supposed to be practical, and that's NEVER the point of doing it! Of COURSE we don't take these things to Field Day! The whole idea is for the fun of it, for the challenge, learning experience, whatever. Climbing a mountain because "it's there" is not practical either, yet people do it all the time.

The July issue of the QRP Quarterly is starting to appear on the streets, and the index page has a picture of the rig that WA6AHL built in a 9 volt battery case (same one on Steve Hidegs web page), along with an article and schematic. Did he enjoy it? Yes. Will he do it again? Probably not! But he enjoyed doing it. And N8ET brought a little rig to Dayton that was built by WB8PBR, a Pixie in a package that my friend and I have been talking about doing for the last few years--one of those little boxes that five cartridged fuses come in (the older, metal type boxes). It was really cute. Practical? Not in the least, and it's not supposed to be. These things are done for the FUN of it, for the challenge. No one is saying that anyone HAS to build something small like that, but some of us find it an enjoyable undertaking.

About a year back, an acquaintance asked me if it would be possible to build a transceiver into a PCMCIA card-sized enclosure so he could get through customs more easily--he travels a lot. Make that one of those double height packages of the size that the tiny disk drives come in, and it would be quite possible. However, I pointed out that it would not be an exceptionally good idea to do it since if a customs agent found it, he would probably be detained for carrying "spy paraphernalia", even though it was for legitimate amateur radio use. He understood when I declined to accept the challenge :-)

Yes, building tiny rigs is not for everyone. But then neither is working DX, or chasing the fox on HF, or building every single kit that comes down the pike, etc. And for those few of you on qrp-l who DO enjoy building the really tiny rigs for the fun of it, I'd love to hear about your projects!

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

Date: Tue, 01 Jul 1997 10:58:46 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: we6w@qsl.net
Subject: [22270] WE6W FD Report (Short)
Message-ID: <33B94556.26BD@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pre-P.S. I'm curious how other QRP-ers in the San Francisco Area did on 40 Meters. It was so noisy and crowded. Maybe I did OK.

I had a great time!!!!!!!

Setup: OHR-100, Straight key, 30 Ft FD Vertical.
Cold beer and Polish Dogs. Neena, my Rotweiller/Lab puppy doing the logging 8^)... And pulling on the Guy line Flags.

Working the entire time on 40 Meters. The QRN was so bad and all, but hung in there with my 4 Watts from my OHR-100 rig. Only got 55 QSO's. But considering I had to call some station over 10 times to get in, not too bad.

I accepted the challenge on 40 Meters. It was obvious from the start that QRN would limit my contacts. I took this in stride.
So, figuring to beat the odds, I dilligently worked only 40 Meters. I had a lot of fun with Pencil, dupe sheet and the high winds. My old bugler tobacco can filled with spare connectors kept paperwork in check. Also, my metal stand, with magnet held the dupesheet nicely. A rubber band kept the ends from flopping around in the wind.

All of my pre-FD testing and equip. set-up checks paid off since I ended up with an AOK operating configuration.

Even had a little 12V light that worked great! Total quiet here in the backyard with the headphones and a 12V Car battery! Thought I was camping.

Chris only got 1 qso (54 Me, 1 Chris). But he only worked about 4 hours total. He stayed on 40 Meter Novice. I probably should have suggested another band.
Oh Well.

Only slept between 10:38 to 1:30 Local. Then back to bed from 5:30 AM to 9:30 AM Local. Put in another hour and got 8 more qso's.

All in all, I think I did pretty good for my first solo field day. Next year I think I'll go camping somewhere far away and near a mountain top. My

field Day vertical sure worked well. (I've posted my antenna design on my web page.)

Hope you all kept warm. I had my portable kerosene heater throwing out the heat for most of the night and still almost have a full tank. Probably bring it with me next year -- It's the small one and not for backpacking -- but great for a Car-access camp. 6500 BTU's.

By the way, my .1 Lb headphones were awesome. Logs submitted to ARRL and ARCI. Ready for the next one. 73 and bcnu.
-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 01 Jul 1997 18:59:07 +0100
From: Goran Hosinsky <rodriguez@jet.es>
To: qrp-l@Lehigh.EDU
Subject: [22271] NE8020 output AM modulated
Message-ID: <1.5.4.32.19970701175907.0066b864@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello everybody!

I have been off-list for some time, too much mail to read, but on holiday now.

During off-list-time built a NW8020, Emtech version. I am happy with it but have one problem:

When running QRPP at 1W the output, as seen on an oscilloscope, is abt 70% modulated by a 710 KHz signal. This modulation is un-symmetrical, beeing stronger on the bottom half of the signal as seen on the oscilloscope.

The NW has a NE602 oscillator/mixer followed via a tuned transformer by a 2n2222 common emitter buffer where the power output is regulated by the emitter resistor, 180 ohm for 5W, about 1.2 kohm for 1W.

I have tried extra decoupling - no go. I have looked for the 710 KHZ signal

with an osc. but have not been able to find it elsewhere in the circuit.

I cannot hear the modulation on my signal but believe it could make TVRx on a near by AM middle wave rx.

I have been using the NW8020 with a modified St. Luis special, a one band vertical without radials and with direct connection to the coax. Works fine, at least at work on top of the 2.400 meter high volcano of this island (La Palma, Canary Islands).

Saludos,

Goran ea8yu hosinsky@royac.iac.es

Date: Tue, 01 Jul 1997 11:51:04 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: bill@techline.com
Cc: qrp-l@Lehigh.EDU
Subject: [22272] Re: Invitation
Message-ID: <33B95198.FB@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Todd wrote:

>
> At 07:16 AM 7/1/97 -0500, you wrote:
> >First question. Have you ever been to Biloxi Mississippi?
> >
> >Mark
>
> For heavens sake, NO. I am sure the people who live there are great
> Americans, but I have no burning desire to visit that fair city (hi).
>
> BCNU,
> CUL - Bill-N7MFB
> <http://www.techline.com/~bill>
Hey!!!

My best friend was the manager of the Biloxi power plant for 30 years.

Some of the best oysters I ever ate were at a little place on the water,

near the lighthouse. They owned their own boats AND oyster reef. A lot of Air force Air traffic Controllers were trained there, as well as hosting the RF101's, (186th TRS) from Meridian Mississippi during their annual 2 week summer camp.

It's a great place to visit.

Norm

Date: Tue, 01 Jul 1997 14:05:03 -0500
From: Dave Edson <edson@lisco.com>
To: qrp-1@Lehigh.EDU
Subject: [22273] FD, Firsts
Message-ID: <33B954C0.13FC@lisco.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First FD, first time using just completed Emtech NW40 with TiCK, and first time on air. Phew....

WOW! It was fun! I had a ball this FD - we (the club K0BPR in the sunny corn fields of Iowa) had put up a 550' horizontal loop, using in one corner a front loading tractor as a base with an extended 30'ft ladder cradled in its *arms* topped with a 10' pole - a sight to see, and trees and other objects completing the loop. An HW9 and my NW40 at 5 watts were alternating as the operating station. I was *blown* away by the fact that: Hear them, work them. The local QRO ops were most impressed with the QRP operation. The Emtech got a lot of nice looks too, as it really ran great. I was very proud of it! Fortunately, we had a very experienced cw op so I could see how it is done. I was taken back by the speed of it all, and it took a while (and a trip to the novice portion of 40) to do my first contact. Had to get up and walk around after each contact from the excitement! I'm now more inspired than ever with this new found world of QRP!

Thanks to all!

73,

David aa0pf

Date: Wed, 25 Jun 97 14:56:12 -0800
From: tim_hynde@idecc.com
To: <qrp-1@Lehigh.EDU>

Subject: [22274] QRP items for sale
Message-ID: <9707018677.AA867784785@idec_mail.idecc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I had posted these items for trade a while back but have decided to sell for cash. I have the following:

1. NorCal 40a, Wilderness Radio version, recently replaced tuning pot so it's like new in that respect.
2. NorCal 38 Special, mounted in Band Aid box, very nice looking I think, all jacks are wired and the rig works fine, I filled a few pages in the log with it. It's stock no mods.
3. Kenwood TH78A Dual band HT (normal wear) no duck. Works fine no use for VHF anymore.

Asking \$130 for the 40a
\$40 for the 38S
\$200 for the Kenwood HT

I will ship ups.

If I get a chance I'll put pix on the web page so you can see them.
It's at www.flash.net/~hynde

72, Tim, ka8ddz
hynde@flash.net - please

Date: Tue, 1 Jul 1997 13:33:46 -0400
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [22275] FS: OHR 100 30m kit, A&A 30m kit & mostly built 20m, freq. counters
Message-ID: <Pine.3.89.9707011332.C12788-0100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For sale:

Oak Hills 100 30m rig, unbuilt. \$100 new, asking \$90.

A&A K9AY 30m kit, unbuilt. \$80.

A&A K9AY 20m kit, mostly built. \$85.

Radio Shack handheld freq. counter, 8 digits, up to 1.2 GHz. W/manual, excellent condition, \$65.

Optoelectronics 1200H LED readout handheld freq. counter. Built from a kit by me in 1987, in excellent condition. Manual is probably around somewhere.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

Date: Tue, 1 Jul 1997 15:15:59 -0400 (EDT)
From: rod@neors.cat.cc.md.us
To: qrp-1@Lehigh.EDU
Subject: [22276] Norcal 40 mods
Message-ID: <Pine.A32.3.91.970701151235.15662A-1000000@neors.cat.cc.md.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a norcal 40 that I would like to modify to cover more than 50Khz (among other things). I can't find my QRPps becuase I have moved since then and they have not turned up. Are these modification articles available on the web anywhere?

Thanks
Rod Clayton
KA3BHY

Date: Tue, 1 Jul 1997 15:54:18 -0400 (EDT)
From: Stephan Greene <sgreene@washsq.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22277] QRP/battery packet

Message-ID: <Pine.LNX.3.95.970701153351.21452H-100000@europa.washsq.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's occurred to me that I have everything I need to run a self-contained battery powered packet station (handy for trips without making my wife think I'm planning on hamming for the whole trip).

Rig: HT (have the FT-209, 109, and 709 so I've got all the standard bands covered). Probably should bring an external antenna (coax jpole) and string.

(OBQRP - the HT's can't put out more than 5W).

TNC: KPC-3, with internal 9V battery mod (ran one for all of field day, got at least 16 hours operating on one battery with LEDs off).

"terminal" USR Pilot (2x internal AAA batteries) with VT-100 emulation software and connecting cable.

OB QRP #2: Everything runs off internal batteries and I can easily recharge or bring extras.

Since we're going on vacation later in July, I'll even have a chance to try out this idea in the field (sure hope there's a node in reach of the vacation site; a check of the directory at www.tapr.org shows a handful of possibilities). And while I haven't seen badgers, I ****have**** encountered skunks (and gave them a WIDE berth as soon as I saw them). There's also plenty of deer and probably a bear or two in the woods, as well as lots of fish (trout - yummy) in the lake. (Any QRP-L'rs anywhere near Blacksburg, VA - I can try to send a PBBS mail message when I'm down there.)

Taking this idea a bit further; are any of the QRP rigs capable of running digital modes (RTTY, Pactor/G-Tor, packet)? Obviously the CW-only rigs can't (wonder if there's a way to properly FSK one of them - I don't know enough about TX design to guess). And are any of the multi-mode controllers small enough to be reasonable travelling items? Anyone try this - the communications requirements for narrow-band digital, notably the xTOR modes are not too bad when compared to what's needed for decent SSB reception.

72 & 73 de Steve KA1LM

Stephan A. Greene sgreene@washsq.com
PGP Public Key 0xB96717F5 1996/10/01 at <http://ww2.washsq.com/~sgreene/>

Date: Tue, 01 Jul 1997 19:57:43 +0100
From: Brian Short <SHORTCKT@primenet.com>
To: azqrp@dancris.com
Cc: QRP-1@Lehigh.EDU
Subject: [22278] TRW Hamfest
Message-ID: <3.0.1.32.19970701195743.006efba8@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The TRW Hamfest in Manhattan Beach was quite active despite Field Day activity elsewhere.

I found a Tek cart for my Tek 466 o'scope and some test leads and heat shrink.

We may go back next month, but will have to see?

Hope everyone had fun at Field Day. 73, Brian

1994 E Laguna Dr Tempe, Az 85282 (602)839-3484
k7on@qsl.net >or< <http://www.qsl.net/k7on>

Date: Tue, 1 Jul 97 16:21:03 -0400
From: pmeier <pmeier@tir.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22279] Re: FS:WM20 & / MFJ-411
Message-ID: <199707012019.QAA13325@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The MFJ Tutor is sold but the WM20 is still available.

White Mountain SSB 20 meter QRP radio with the optional case and including a Radio Shack microphone. The unit it was carefully built and works perfectly. Checked out by Dave Benson himself. Reason I'm selling is I just don't operated SSB. Bought it mostly for the fun of building it but now want to move on and build other things. Price is \$155.

Prices include shipping continental U.S.

Pete WK8S

Date: Tue, 01 Jul 1997 13:45:27 -0700
From: David Shalita <af389@lafn.org>
To: qrp-l@Lehigh.EDU
Subject: [22280] Comb Generator versus Marker Generator
Message-ID: <33B96C67.18B6@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I am working on a homebrew Spectrum analyser and need to produce some markers at known frequencies.

My question is what is the easiest or best way to produce a series of known frequency markers from 10 mhz to above 900 mhz?
I want to generate 25mhz markers and harmonics or 50 mhz and harmonics or 100 mhz and harmonics to bracket a signal.

Is a Comb Generator ckt useful for producing known frequency markers?
If Comb is useful for markers, where can I obtain design info or who sells it as a kit? I'd rather build my own.

At the moment, I am just using a 48 mhz TTL oscillator, in a DIP 4 pin package, and looking at the blips from 48 mhz fundamental and it's harmonics. There seem to not be many higher order harmonics even though output is fast switching TTL. Highest I see is just under 150 mhz and amplitude is very small. Adding a 12 inch long clip lead is the only way I can seem to make the 48 mhz output radiate harmonics.

Thanks for any hints or pointers.

73, W6MIK
--

Dave Shalita,
af389@lafn.org
Van Nuys, CA

Date: Tue, 1 Jul 1997 15:46:26 -0400 (EDT)
From: Bob Patten <n4bp@shadow.net>
To: 3830 Reflector <3830@akorn.net>
Cc: Peter Rimmel <n8pr@juno.com>, Kris Mraz <mraz@aud.alcatel.com>, Tim Cotton
<COTTONKEY@aol.com>, Marty Blustine <75463.2664@compuserve.com>,
David Novoa <dnovoa@juno.com>, Markus Hammelmann <markus@wg104a.wh.uni-
stuttgart.de>, Mitch Louis <mitch96@idt.net>, Bruce Phegley <loril@legends.net>,
Subject: [22281] N4BP FD 1A, Guano Reef Bashful Perverts
Message-ID: <Pine.SOL.3.91.970701145748.21115E-100000@hyper>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

CALL	CLASS	SEC	SCORE	CQ QSOs	Phone QSOs	Total QSOs
====	=====	===	=====	=====	=====	=====
N4BP	QRP	1A	SFL 7820	673	58	731

Pervert List: N4JBW, W40VU, WD4JNS, WV5Z, DL50BZ, N4BP
Mitch, Bruce, Julio, Kevin, Markus, head pervert

Location: Fiesta Key on Long Key, FL (alias Guano Reef) at mm70

Stations: HF: TS-130V and "ugly vertical" on sea wall.
VHF: TM-241A for 2M FM and packet (0 QSOs!)
Yaesu 6M SSB & CW

Two 110 A/H solar charged batteries to run each station.

Julio, WD4JNS came down with bronchitis just before the weekend, but loaded up his van with gear and food before collapsing in bed. Bruce, W40VU drove the van down for him. Mitch, N4JBW filled in for Julio as chief cook and fed us royally. During the weekend, not a drop of rain, not a single mosquito, but temps (and humidity) in the 90's - it was HOT!

Only two minor equipment malfunctions: My MFJ DVK developed an intermittant from the start causing us to abandon the idea of a beacon CQ on 6M. We wasted time trying to make QSOs on 6M with my 3 el Yagi before we discovered that Bruce's home made quad had it beat by at least 20db - might have been the 1000 feet or so of coax though. :-(We were able to make several packet connections with nodes up and down the Keys, but couldn't find a "human" to make a FD exchange with us. There were also no 2M FM sigs to be heard except for various repeaters...

The HF setup worked flawlessly although condx were terrible at the start. We made up a lot of ground though on Saturday night and Sunday.

Our plans for a 5/8 wave 40M vertical were dashed by the lack of wind to hold up our parafoil - leaving us with the ugly vertical topped with a Hustler 40M mobile resonator. But, surprisingly, we could hold a freq on 40M and had runs close to 60 per hour.

On Sunday, at one point, I was able to hold NA's rate meter at 96/hr for several minutes. The three HF ops (N4BP, WV5Z, DL50BZ) all have very differing operating techniques, but rates were quite comparable. When Markus, DL50BZ learns to copy direct to keyboard (instead of first writing the calls on paper) he will be a killer tester!

We set up before the contest and so were limited to 24 hours of operating. Actually, I planned it that way since I had to work overnight Sunday - that was one tough night at the TV station. I had brought a half gallon of ice cream for a quick "victory celebration" but conveniently forgot it until after we left Guano Reef. Bruce, Kevin, and I pulled into a Burger King on Marathon Key and ordered drinks to go with our three way split of the trophy! Markus and friend came to the house Monday noon to return my tent and so got to share what was left.

I'm sure I'm leaving out a lot of the details, but wanted to get this posted while it was reasonably fresh in my mind. My sincere thanks to all my assistant perverts who did a fantastic job!

Bob Patten, N4BP

n4bp@shadow.net

Brass Pounder BBS (954) 472-7715

Plantation, FL

<http://www.shadow.net/~n4bp/n4bp.htm>

Date: Tue, 1 Jul 1997 15:47:42 -0500 (CDT)
From: george fremin iii <geoiiii@bga.com>
To: bill@techline.com
Cc: qrp-1@Lehigh.EDU
Subject: [22282] Re: Not responding to QRP stations
Message-ID: <199707012047.PAA26705@zoom.bga.com>
Content-Type: text

Bill Todd writes:

>

>I know most of this is obvious - but I believe the reason why some stations
>don't

>respond to a QRP station is either;

>

>(1) You have already worked that station....and they don't want to spend
>the time

> saying "DUP".

I find this hard to understand.

BTW - the best way to save time in (in most contests) is to just work all stations that answer your CQ. It takes more time and breaks the rhythm to tell them they are a dupe then it does to just give them a report.

>or

>

>(2) They cannot hear you.

This is why I don't answer stations that are calling me.

I find it is really hard to answer stations that I can not hear and it does not matter if they are running 1.5k or 100 w or .002 watts.

During FD you will often find more QRM and less skilled ops and these two things add up to getting ignored more often.

--

George Fremin III

Austin, Texas C.K.U. "It is hard to be in one place at the same time."

K5TR

-- Overheard at the TR-Log booth

512/416-7010

at the Dayton Hamvention

geoiii@bga.com

Date: Tue, 1 Jul 1997 15:42:27 -0500 (CDT)

From: george fremin iii <geoiii@bga.com>

To: ki7mn@dancris.com

Cc: qrp-1@Lehigh.EDU

Subject: [22283] Re: Not responding to QRP stations

Message-ID: <199707012042.PAA25961@zoom.bga.com>

Content-Type: text

>Just as a side note, I never appended a /qrp to my call, and had only a few
>when I heard someone jump in on top of me. Wonder what would have happened
>had I used the /qrp after the call? I think during FD, stations answer
>anyone they can hear, period.

I would like to add that IMHO no serious contester or DX op would ever ignore a station that is calling. Because the whole point is to put contacts in the log.

I would also like to point out that I have found it confusing when station sends his callsign with a /QRP. If the station is very weak or in the QRM/QRN then those extra letters make it that much harder to figure out what the station is sending. Although I am sure there are times when it helps to send /QRP - I think they are rare.

--

George Fremin III
Austin, Texas C.K.U. "It is hard to be in one place at the same time."
K5TR -- Overheard at the TR-Log booth
512/416-7010 at the Dayton Hamvention
geoiiii@bga.com

Date: Tue, 1 Jul 1997 16:49:11 -0400
From: "Kevin F. Glynn" <KFGlynn@prodigy.net>
To: "LIQRP" <liqrp@waterw.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [22284] Need website address for Far Circuits
Message-ID: <199707012047.QAA38216@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

Does anyone have the website for Far Circuits (or in fact, do they even have one)?

Tnx for info.

72 Kevin N2TO

Date: Tue, 1 Jul 1997 16:29:27 -0000
From: "Dave Yanke" <n9ssg@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, kkumar@mail.imake.com
Cc: Ken Schumacher <n9kju@amsat.ORG>, kb9kfe@techinter.com
Subject: [22285] Re: Field Day report - a question
Message-ID: <199707012129.QAA23453@mail.xnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 1 Jul 97 somewhere around 9:36, Krishna Kumar wrote:

. The reports exchanged was 4AVA. I know
> that the last 2 alphabets was for Virginia, can some one explain to me
> the way the first number and the second alphabets are formed.

I'm surprised I didn't see a response to this one before this.

4A VA means that they had a club running 4 stations (HF) that were independent of commercial mains for power. i.e. they ran generators. The 4 means they were able to run 4 transmitters simultaneously in any of the recognized US HF Bands, 10-15-20-40-80-160. Novice,VHF/UHF,Satellite, packet,etc. are not counted toward the designation.

Hope this helps.

Abstention from speculative undertaking precludes attainment.

Dave Yanke - N9SSG

mailto:n9ssg@pobox.com ... <http://www.pobox.com/~fr1>

PGP Key: <http://www.xnet.com/~n9ssg/pkey.htm>

Date: Tue, 1 Jul 1997 17:39:17 -0400 (EDT)
From: K5BDZ@aol.com
To: Arjen.Raateland@vyh.fi, qrp-1@Lehigh.EDU
Subject: [22286] Re: SLV/W6MMA
Message-ID: <970701173733_1478296435@emout14.mail.aol.com>

My experience along those same lines indicates changes in antenna feedpoint impedance can vary between installations due to and including the following reasons:

1. angle between vertical and radial(s)
2. length of radials
3. number of radials
4. spacing between radials
5. presence of conducting material - metal etc.- between radials
6. radial(s) being coiled or straight
7. connection between radials and antenna base
8. ALMOST ALWAYS the distance between ground and the feedpoint of the antenna WHEN GROUND MOUNTED! For instance, ground mounted verticals without radials often enjoy a more acceptable match when feed[point is at ground

level or inside a one inch deep hole kicked into the ground wht the
connecting point slid into that hole
Well, I almost outta room. Experiment...remember the antenna axiom says, "If
it gets out, use it! " Bill, K5BDZ
k5bdz@aol.com

Date: Tue, 1 Jul 1997 16:43:30 -0500
From: MHOOOPER@ccmail.dsccc.com
To: qrp-1@Lehigh.EDU
Subject: [22287] postpone
Message-ID: <00053895.3370@ccmail.dsccc.com>
Mime-Version: 1.0

Date: Tue, 01 Jul 1997 17:28:46 -0700
From: Dana E Hager <dehager@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [22288] Looking for SD-20 - (SLV)
Message-ID: <33B9A0BD.5EEB@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can any one tell me where to call for SD-20 poles. I am not having any
luck here in the PA area.

Thank you,

Dana E Hager
Nazareth, PA

Date: Tue, 1 Jul 1997 18:50:03 -0400 (EDT)
From: Bob Patten <n4bp@shadow.net>
To: george fremin iii <geoiiii@bga.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22289] Re: Not responding to QRP stations
Message-ID: <Pine.SOL.3.91.970701184627.25189B-100000@hyper>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Jul 1997, george fremin iii wrote:

> I would also like to point out that I have found it confusing
> when station sends his callsign with a /QRP. If the station
> is very weak or in the QRM/QRN then those extra letters
> make it that much harder to figure out what the station
> is sending. Although I am sure there are times when it
> helps to send /QRP - I think they are rare.
>

I agree completely. Additionally, it takes more time to complete the QSO because the call is longer. I find it annoying during a fast run to have a six letter call appended with /QRP. Especially when he sends it more than once... Very annoying.

Bob Patten, N4BP
n4bp@shadow.net

Plantation, FL
<http://www.shadow.net/~n4bp/n4bp.htm>

Brass Pounder BBS (954) 472-7715

Date: Tue, 1 Jul 1997 16:31:05 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Cc: CQC Board <aa0xi@mtechnologies.com>
Subject: [22290] New Product Announcement
Message-ID: <199707012242.QAA26241@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I never thought I'd be going into the hardware business, but I've found a great deal on some "must-haves" in quantity and so here they are:

**14-Range Analog Multimeter (VOM)
only \$9.95

Compare this to Radio Shack's 8-range meter which sells for \$14.95 (battery not included-- ours comes with the battery!). Throw one of these into your glove compartment or tool box-- at this price you can afford two!

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AC Voltage 10/50/250/1000V

Resistance x10/x100/x1K0hm

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Thanks for the bandwidth...

73

Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

End of QRP-L Digest 774
